

Listing of Claims

1. (Canceled)
2. (Previously Presented) The method of claim 7, wherein the tracer gas comprises carbon dioxide.
3. (Original) The method of claim 2, wherein the filter comprises a filter housing and soda lime contained in the housing for absorbing carbon dioxide from the air flowing through the filter.
4. (Previously Presented) The method of claim 7, wherein the filter is capable of filtering all of the tracer gas flowing through the filter.
5. (Previously Presented) The method of claim 7, wherein:
the tracer gas comprises carbon dioxide; and
the filter is capable of filtering all of the carbon dioxide from the air flowing through the filter.
6. (Previously Presented) The method of claim 7, wherein the enclosure comprises an operator cab.
7. (Currently Amended) A method for leak testing the ventilation system of an environmental enclosure, the method comprising:
inducing air surrounding the enclosure to flow through the ventilation system and a gas filter positioned in the ventilation system into the enclosure to establish positive pressure in the enclosure;
filtering a tracer gas from the air flowing through the gas filter, the tracer gas comprising a gas naturally present in the air surrounding the enclosure;

determining the expected predetermined concentration of tracer gas inside the enclosure based upon the ~~specifications~~efficiency of the filter;

measuring the lowest achievable concentration of tracer gas inside the enclosure; and

detecting for the presence of leaks in the ventilation system by comparing the lowest achievable concentration of tracer gas inside the enclosure to the expected predetermined concentration of tracer gas inside the enclosure based upon the ~~specifications~~efficiency of the filter, wherein the presence of leaks in the ventilation system is indicated if the lowest achievable concentration of tracer gas exceeds the expected predetermined concentration of tracer gas.

8. (Currently Amended) A method for leak testing the ventilation system of an environmental enclosure, the method comprising:

inducing air surrounding the enclosure to flow through the ventilation system and a gas filter positioned in the ventilation system into the enclosure to establish positive pressure in the enclosure;

filtering a tracer gas from the air flowing through the gas filter, the tracer gas comprising a gas naturally present in the air surrounding the enclosure so as to replace air exiting the enclosure;

calculating the predetermined time required for the concentration of the tracer gas inside the enclosure to reduce to a predetermined level at a predetermined leakage based upon the ~~specifications~~efficiency of the filter; and

measuring the time required for the concentration of the tracer gas inside the enclosure to reduce to the predetermined level to determine if the measured time is greater than the calculated predetermined time, which is an indication that a leak exists in the system.

9. (Previously Presented) The method of claim 7, wherein the tracer gas comprises nitrogen.

10. (Previously Presented) The method of claim 7, wherein the tracer gas comprises oxygen.

11. (Previously Presented) The method of claim 7, wherein the tracer gas comprises argon.
12. (Canceled)
13. (Previously Presented) The method of claim 17, wherein the tracer gas comprises carbon dioxide.
14. (Original) The method of claim 13, wherein the filter comprises soda lime for filtering carbon dioxide from the air flowing through the filter.
15. (Previously Presented) The method of claim 17, wherein the filter is capable of filtering all of the tracer gas flowing through the filter.
16. (Previously Presented) The method of claim 17, wherein:
the tracer gas comprises carbon dioxide; and
the filter is capable of filtering all of the carbon dioxide from the air flowing through the filter.
17. (Currently Amended) A method for leak testing a ventilation system, the method comprising:
inducing air outside of an enclosure to flow through the ventilation system and a gas filter positioned in the ventilation system into the enclosure so as to establish positive pressure inside the enclosure, wherein the filter filters a tracer gas from the air flowing through the filter, the tracer gas comprising a gas naturally present in the air surrounding the enclosure;
measuring the concentration of tracer gas inside the enclosure; and
detecting for the presence of leaks in the ventilation system from the concentration of the tracer gas inside the enclosure;
wherein detecting for the presence of leaks in the ventilation system comprises determining the expected predetermined concentration of tracer gas inside the enclosure based upon the ~~specifications~~efficiency of the filter; and

comparing the measured concentration of tracer gas inside the enclosure to the expected predetermined concentration of tracer gas inside the enclosure based upon the ~~specifications~~ efficiency of the filter to determine whether there are any leaks in the ventilation system, wherein the presence of leaks in the ventilation system is indicated if the measured concentration of tracer gas exceeds the expected predetermined concentration of tracer gas.

18-26. (Canceled)